HAZARD AWARENESS

STRUCK AGAINST

- Stationary object struck by person/vehicle moving
- Moving object struck by person/vehicle moving

STRUCK BY

- Falling object; free falling from higher level
- Flying object; free object propelled through air
- Flying particle; particle propelled from parent
- Moving object propelled under its own power

FALL FROM ELEVATION TO LOWER SURFACE

- From platform or walkway
- From ladder
- From stairs
- From ramp or sloping walkway
- From atop piled materials
- From other stationary structure
- From moving part of structure
- From stationary vehicle
- From moving vehicle
- Into opening; shaft, excavation, hole, etc.

FALL ON SAME LEVEL – TRIP OR SLIP

- Fall to the walkway or floor surface
- Fall onto object or structure
- Fall against object or structure
- Fall on moving surface

CAUGHT IN

- In-running nip point
- Meshing moving points
- Point of operation of tool or machine

CAUGHT ON

- Stationary protrusion, person or vehicle moving
- Protrusion from moving part

CAUGHT BETWEEN OR UNDER

- A moving and a stationary object
- Moving (not meshing) objects
- Collapsing structure
- Collapsing piled materials
- Collapsing earth or loose materials
- Material under pressure

RUBBED OR ABRADED

- Vibrating objects
- Leaning, kneeling or sitting on objects
- By objects being handled
- Repetition of pressure
- Foreign matter in eyes or skin folds

OVEREXERTION OR OVERSTRESS

- In lifting objects
- In pulling objects
- In pushing objects
- In throwing object
- In catching or receiving objects
- Other stress or strain

BODILY REACTION OR MOVEMENT

- Involuntary reaction or motion
- Voluntary reaction or motion

CONTACT WITH TEMPERATURE EXTREMES

- General heat of atmosphere or environment
- Hot objects or substances
- Molten metal contact
- General cold of atmosphere or environment
- Cold objects or substances
- Cryogenic material contact

CONTACT WITH BIOLOGICAL SUBSTANCES

- Exposure to needle sticks
- Exposure to blood
- Exposure to bodily fluids

- Exposure to viruses or bacteria

CONTACT WITH TOXIC, CAUSTIC OR NOXIOUS SUBSTANCES

- By absorption through skin
- By inhalation through respiratory tract
- By ingestion through digestive tract

CONTACT WITH FLAMMABLE & COMBUSTIBLE LIQUIDS AND OTHER FIRE HAZARDS

- Handling flammable and combustible materials
- Dispensing flammable and combustible liquids
- Block egress issues
- Use of portable fire extinguishers

CONTACT WITH RADIATION

- Ionizing radiation
- Non-ionizing radiation
- Natural light radiation (sunburn, etc.)
- Artificial light radiation (lasers, etc.)

CONTACT WITH ELECTRICAL CURRENT

- Electrical burn
- Electrical shock
- Uncovered electrical equipment
- Ungrounded electrical equipment

CONTACT WITH SOUND

- Collision with another moving vehicle
- Impact sound level
- Hearing loss

MOTOR VEHICLE, SHIP AND AIRCRAFT IMPACTS

- Collision with another moving vehicle
- Collision with a stationary vehicle
- Struck by other vehicle while standing
- Overturned or upset
- Left traffic-way out of control
- Sudden start
- Sudden stop

UNSAFE PRACTICES

SERVICING EQUIPMENT IN MOTION

- Caulking, packing, etc. of equipment under pressure
- Cleaning, oiling, adjusting equipment while running
- Welding, repairing tanks or containers without purging
- Working on electrically energized equipment
- Working on other equipment while powered or operating

FAILURE TO WARN OR SECURE

- Failure to lock, block or secure against unexpected motion
- Failure to shut off equipment not in use
- Failure to place warning signs, tags or signals
- Releasing or moving loads without giving adequate warning
- Starting or stopping vehicles without giving adequate warning

MAKING SAFETY DEVICES INOPERATIVE

- Blocking, plugging or tying safety device
- Disconnecting or removing safety device
- Misadjusting safety device
- Replacing safety device with one of improper capacity

OPERATING OR WORKING AT UNSAFE SPEED

- Feeding or supplying materials too rapidly
- Jumping from elevations
- Operating vehicle at unsafe speed
- Running
- Throwing material instead of passing it or carrying it

TAKING UNSAFE POSITION OR POSTURE

- Entering enclosed space without proper clearance
- Riding in unsafe position
- Moving under suspended load
- Exposed to swinging load
- Unnecessary exposure to moving materials or equipment

UNSAFE PLACING, MIXING OR COMBINING

- Injecting, mixing, or combining substances/equipment so exposing, fire or other hazard is created
- Unsafe position of vehicles or material handling equipment for loading or unloading
- Unsafe placement of materials so as to create hazards such as tripping or bumping

IMPROPER USE OF EQUIPMENT

- Using unsafe equipment; tagged or obviously defective
- Use of equipment or material in a manner for which is was not intended
- Overloading equipment or structures

IMPROPER USE OF HANDS OR BODY PARTS

- Gripping objects insecurely
- Taking wrong hold of objects
- Using hands instead of tools

OTHER SUBSTANDARD PRACTICES

- Inattention to footing or surroundings
- Failure to wear safe personal attire
- Failure to use available personal protective equipment
- Improper use of personal protective equipment
- Horseplay

UNSAFE CONDITIONS

DEFECTS OF AGENCIES

- Composed of unsuitable materials
- Dull
- Improperly compounded or assembled
- Improperly designed
- Rough
- Sharp
- Slippery
- Worn, frayed, cracked, broken, etc.
- Other defect of equipment or material

DRESS OR APPAREL CONDITION HAZARDS

- Lack of suitable protective equipment
- Improper or inadequate clothing
- Other dress or apparel hazard

ENVIRONMENTAL HAZARDS

- Excessive noise
- Inadequate aisle space
- Inadequate exits
- Inadequate clearance; congestion or restriction
- Inadequate traffic control
- Inadequate ventilation
- Insufficient work space
- Improper illumination; insufficient or excess
- Air contaminants
- Temperature extremes
- Radiation exposures
- Fire and explosion hazards
- Poor housekeeping; disorderly workplace

HAZARDOUS METHODS OR PROCEDURES

- Use of inherently hazardous material/equipment
- Use of inherently hazardous methods/procedures
- Use of inadequate/improper equipment
- Inadequate help for heavy lifting
- Improper assignment of personnel
- Other hazardous method or procedure

PLACEMENT HAZARDS

- Improperly piled
- Improper placement/position
- Inadequately secured against undesired motion

INADEQUATELY GUARDED

- Unguarded mechanical or physical hazard
- Inadequately guarded mechanical or physical hazard
- Lack of or inadequate shoring or support
- Ungrounded electrical
- Uninsulated electrical
- Uncovered electrical connections
- Unshielded radiation
- Inadequately shielded radiation
- Unlabeled or inadequately labeled materials

HAZARDOUS OUTSIDE WORK ENVIRONMENTS

- Defective premises of others
- Defective equipment or materials of others
- Other hazards associated with property of others
- Other hazards associated with activity of others
- Natural hazards; weather, terrain, animals, etc.

PUBLIC HAZARDS

- Public transportation hazards
- Traffic hazards

PERSONAL FACTORS

INADEQUATE PHYSICAL/PHYSIOLOGICAL CAPABILITY

- Inappropriate heights, weights, size, strength, reach
- Restricted range of body movement
- Limited ability to sustain body positions
- Substance sensitivity or allergy
- Sensitivities to sensory extremes; temperature, noise
- Vision deficiency
- Hearing deficiency
- Other sensory deficiency
- Respiratory incapacity
- Other permanent physical disability
- Temporary disability

INADEQUATE MENTAL/PSYCHOLOGICAL CAPABILITY

- Fears or phobias
- Emotional disturbance
- Mental illness
- Intelligence level below required for task
- Inability to comprehend instruction
- Poor judgment
- Poor coordination
- Slow reaction time
- Low mechanical aptitude
- Low learning aptitude
- Memory failure

PHYSICAL OR PHYSIOLOGICAL STRESS

- Injury or illness
- Fatigue due to task load or duration
- Fatigue due to lack of rest
- Fatigue due to sensory overload
- Exposure to health hazards
- Exposure to temperature extremes
- Oxygen deficiency
- Atmospheric pressure variation
- Constrained movement
- Blood sugar insufficiency
- Use of drugs or medicant

MENTAL OR PSYCHOLOGICAL STRESS

- Emotional overload
- Fatigue due to mental task or speed
- Extreme judgment/decision demands
- Routine, monotony, periods of uneventful vigilance
- Extreme concentration/perception demands
- Confusing directions or instructions
- Meaningless or degrading activity
- Confusing information from different sources
- Conflicting demands
- Preoccupation with personal problems
- Frustration
- Mental illness

LACK OF KNOWLEDGE

- Lack of experience
- Inadequate orientation
- Inadequate initial training
- Inadequate update training
- Misunderstood directions

LACK OF SKILL

- Inadequate initial instruction
- Inadequate practice
- Infrequent performance of task
- Lack of coaching

IMPROPER MOTIVATION

- Improper performance is rewarding
- Proper performance is punishing
- Lack of incentives
- Excessive frustration
- Inappropriate aggression
- Improper attempt to save time and effort
- Improper attempt to avoid discomfort
- Improper attempt to gain attention
- Inappropriate peer pressure
- Improper supervisor example
- Inadequate performance feedback
- Inadequate reinforcement of proper behavior
- Improper production incentives

POLICIES AND DECISIONS

INADEQUATE LEADERSHIP OR SUPERVISION

- Unclear or conflicting reporting relationships
- Unclear or conflicting assignment of responsibility
- Improper or insufficient delegation
- Giving inadequate policy, procedure, practices or guidelines
- Giving objectives, goals or standards that conflict
- Inadequate work planning or programming
- Inadequate instructions, orientation and/or training
- Providing inadequate reference documents, directives and guidance publications
- Inadequate identification and evaluation of loss exposures
- Lack or supervisory/management job knowledge
- Inadequate matching or individual qualifications and job/task requirements
- Inadequate performance measurement and evaluation
- Inadequate or incorrect performance feedback

ENVIRONMENTAL/JOB FACTORS

INADEQUATE ENGINEERING

- Inadequate assessment of loss exposures
- Inadequate consideration of human factors/ergonomics
- Inadequate standards, specifications and/or design criteria
- Inadequate monitoring of construction
- Inadequate assessment of operational readiness
- Inadequate monitoring of initial operation
- Inadequate evaluation of changes

INADEQUATE PURCHASING

- Inadequate specifications on requisitions
- Inadequate research on materials/equipment
- Inadequate specifications to vendors
- Inadequate mode or route of shipment
- Inadequate receiving inspection and acceptance
- Inadequate communication of health and safety data
- Improper handling of materials
- Improper storage of materials
- Improper transporting of materials
- Inadequate identification of hazardous items
- Improper salvage and/or waste disposal

INADEQUATE MAINTENANCE

- Inadequate assessment of preventive maintenance needs
- Inadequate lubrication or servicing
- Improper adjustment or assembly
- Improper cleaning or resurfacing
- Inadequate communication of repair needs
- Inadequate scheduling of repair work
- Inadequate examination of units to be repaired
- Improper part substitution during repair

INADEQUATE TOOLS AND EQUIPMENT

- Inadequate assessment of needs and risks
- Inadequate human factors/ergonomics considerations
- Inadequate standards or specifications for tools
- Inadequate availability of tools or equipment
- Inadequate adjustment/repair/maintenance of tools
- Inadequate salvage and reclamation of equipment
- Inadequate removal and replacement of unusable items

INADEQUATE WORK STANDARDS

- Inadequate development of work standards
- Inadequate inventory and evaluation of exposures and needs for work standards
- Inadequate coordination of standards development with process design
- Inadequate employee involvement in standards development
- Inconsistent standards, procedures and rules
- Inadequate publication of standards
- Inadequate distribution of standards
- Inadequate translation of standards to appropriate languages
- Inadequate employee training on standards
- Inadequate reinforcing of standards with signs, color codings, and job aids
- Inadequate maintenance of standards
- Inadequate tracking of work flow
- Inadequate updating of standards
- Inadequate monitoring of standards compliance

WEAR AND TEAR

- Inadequate planning of equipment rate of use
- Improper extension of service life
- Inadequate inspection or monitoring for wear
- Improper loading or rate of use
- Inadequate maintenance for rate of use
- Wear due to use by unqualified or untrained people
- Wear due to use for wrong purpose

ABUSE OR MISUSE

- Intentional abuse/misuse condoned by supervision
- Unintentional abuse/misuse condoned by supervision
- Intentional abuse/misuse unknown by supervision
- Unintentional abuse/misuse unknown by supervision